



COMBINED DECLARATION AND POWER OF ATTORNEY

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter that is claimed and for which a patent is sought on the invention entitled:

SYNTHETIC POLYMERS WITH HIGHLY-FUNCTIONALIZED LIQUID-RUBBER CHAIN-END MOIETIES

the specification of which

_____ is attached hereto.

 X was filed on February 18, 2004, as Application Serial No. 10/782,432.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information that is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed

Number	Country	Date Filed	Yes	No
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English Language Declaration

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>10/634,534</u>	<u>August 5, 2003</u>	<u>Pending</u>
Application Serial No.	Filing Date	Status

<u>60/401,185</u>	<u>August 5, 2002</u>	<u>Expired</u>
Application Serial No.	Filing Date	Status

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

George W. Moxon II, Reg. No. 26,615; James C. Scott, Reg. No. 35,351; Mark C. Terzola, Reg. No. 40,201; Daniel J. Schlue, Reg. No. 52,194; and Donald J. Firca, Jr., Reg. No. 48,140.

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Roetzel & Andress
222 South Main Street
Akron, Ohio 44308

Direct Telephone Calls to: George W. Moxon II
Telephone: (330) 849-6689

DECLARATION

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE

Inventor: Roderic P. Quirk
Roderic P. Quirk

Date June 3, 2004

Residence: 66 Southwood Rd.
Akron, OH 44313

Post Office Address: (same as above)

Citizenship: United States

Inventor: Jin-Ping Zhou
Jin-Ping Zhou

Date 6/4/2004

Residence: 5949 Brewster Dr.
Hudson, OH 44236

Post Office Address: (same as above)

Citizenship: United States

ASSIGNMENT

In Consideration of the sum of Ten Dollars (\$10.00), and of other good and valuable consideration paid to the undersigned by the Assignee, The University of Akron, an institution organized under the laws of the State of Ohio and having a place of business at 302 Buchtel Common, in Akron, Ohio 44325, receipt whereof is hereby acknowledged, the undersigned by these presents hereby sold, assigned, transferred and set over unto the said assignee the entire right, title and interest in and to the invention or improvement in

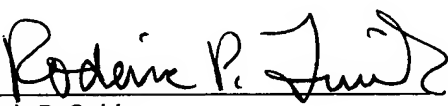
SYNTHETIC POLYMERS WITH HIGHLY-FUNCTIONALIZED LIQUID-RUBBER CHAIN-END MOIETIES

said invention being fully described and/or claimed in U.S. Patent Application Serial Nos. 10/782,432, 10/634,534, and 60/401,185 for Letters Patent of the United States of America, executed this date, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

And Said Assignee is Hereby Authorized to make application for and to receive Letters Patent for said invention in any of said countries of its election.

And By This Covenant The Undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said Assignee, its successors, assigns or other legal representatives, and upon the request and at the expense of said assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of said Letters Patents to be granted therefor, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein without further compensation, but at the expense of said assignee, its successors, assigns or other legal representatives.

And The Commissioner of Patents is Hereby Authorized and Requested to issue any and all Letters patent of the United States for said invention, to said assignee.

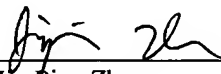

Roderic P. Quirk

Date: June 3, 2004

Witness:


Name:

Date: June 3, 2004


Jin-Ping Zhou

Date: June 4, 2004

Witness:


Name:

Date: 7/14/04